

Activity 7: Design Presentation and Report Guidelines

Include the following components in the presentation of your design solution:

1. **Introduction:** Explain the scenario and what your engineering team was asked to accomplish. List the members of your engineering team as well as your team name and each person's responsibility and/or role.
2. **Define the problem:** State your problem definition from Activity 1.
3. **Summary of gathered information:** List the information used to determine the solution. For example, accessibility information based on distances, rock testing results to determine rock properties, and data analysis to determine how big the cavern needed to be. For each of these (and anything else), explain what you did and how you did it and the results from your tests and research.
4. **Preliminary locations:** Detail all the possible locations that your team initially chose and considered. Include information about why your team chose these locations.
5. **Analysis of solutions:** Explain how the various tests and evaluations you performed helped you determine the best cavern location. Analyze each test you did and note the specific reasons why the test helped you.
6. **Final recommendation:** Give your final most-appropriate site location and describe its characteristics including rock type(s), distance to various important resources/landmarks, and why your team chose that location over other possible locations.